Atty Docket No. PC27840A
Appl. No. 10/772527
Reply to Office action of January 24, 2007

Amendments to the Specification:

Please replace the paragraph starting at line 10 of page 3, with the following:

A filamentous fungus species of the genus *Fusarium* capable of the biotransformation of compounds of Formula I to compounds of Formula II is used in the invention process. Preferably, *Fusarium culmorum* is used, for example, *Fusarium culmorum* ~~UC 16069~~ ATCC PTA-5697. The fungus is grown in submerged culture under aerobic conditions, using art-recognized procedures, and the 7α,15α-dihydroxylation reaction performed *in situ*. The procedure of EXAMPLE 1, with appropriate modifications known to those skilled in the art as necessary, may be used to determine species capable of the biotransformation.

Please replace the paragraph starting at line 9 of page 6, with the following:

The biotransformation of 5-androsten-3β-ol-17-one to 5-androsten-3β,7α,15α-triol-17-one was performed using a submerged culture of *Fusarium culmorum* ~~UC 16069~~ ATCC PTA-5697 at a 10-L fermentation scale.

Please replace the paragraph starting at line 13 of page 6, with the following:

Frozen vegetative cells of *Fusarium culmorum* ~~UC 16069~~ ATCC PTA-5697 were thawed, transferred to potato-dextrose-agar plates (PDA), and incubated at 28°C for 72 hours. Single mycelial-plugs (6-7 mm diameter) were used to inoculate siliconized 500-mL stippled shake flasks containing 100 mL primary-seed medium. Primary-seed medium consists of (per liter of RO water): dextrin, 50 g; soyflour, 35 g; glucose, 5g; cobalt chloride hexahydrate, 2mg; silicone defoamer (SAG 471), 0.5 mL; pre-sterilization pH 7.0-7.2, adjusted with sodium hydroxide (2N). Primary-seed medium was sterilized for 30 minutes at 121°C using an autoclave. *Fusarium culmorum* ~~UC 16069~~ ATCC PTA-5697 is incubated for 48 hours at 28°C, using a controlled-environment incubator-shaker set at 270 rpm. (1" orbital stroke).

Please replace the paragraph starting at line 24 of page 6, with the following:

One hundred milliliter secondary-seed fermentations in siliconized 500-mL stippled shake flasks were inoculated using vegetative primary-seed culture (approximately 0.012 % [v/v] inoculation rate). Secondary-seed medium contains (per liter of RO water): glucose, 60 g; soyflour, 25 g; soybean oil, 30 mL; magnesium heptahydrate, 1 g; potassium dihydrogen phosphate, 0.74 g;

octylphenoxypolyethoxyethanol, 0.25 mL; silicone defoamer (SAG 471), 0.5 mL; pre-sterilization pH 3.95-4.00, adjusted with concentrated sulfuric acid. Secondary-seed medium was sterilized for 30 minutes at 121°C using an autoclave. *Fusarium culmorum* ~~UC 16069~~ ATCC PTA-5697 was incubated at 28°C for 48-50 hours, using a controlled-environment incubator-shaker set at 270 rpm. (1" orbital stroke).

Please replace the paragraph starting at line 24 of page 6, with the following:

One hundred milliliter secondary-seed fermentations in siliconized 500-mL stippled shake flasks were inoculated using vegetative primary-seed culture (approximately 0.012 % [v/v] inoculation rate). Secondary-seed medium contains (per liter of RO water): glucose, 60 g; soyflour, 25 g; soybean oil, 30 mL; magnesium heptahydrate, 1 g; potassium dihydrogen phosphate, 0.74 g; octylphenoxypolyethoxyethanol, 0.25 mL; silicone defoamer (SAG 471), 0.5 mL; pre-sterilization pH 3.95-4.00, adjusted with concentrated sulfuric acid. Secondary-seed medium was sterilized for 30 minutes at 121°C using an autoclave. *Fusarium culmorum* ~~UC 16069~~ ATCC PTA-5697 was incubated at 28°C for 48-50 hours, using a controlled-environment incubator-shaker set at 270 rpm. (1" orbital stroke).